

# **SEPTEMBER 2003** LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

## **CHARLESTON C.O., SC**

CUSTOM HOUSE (CITY OFC)

(CHLS)

Lat: 32°47' N Long: 79°56' W Elev (Ground): 9 Feet

Time Zone: EASTERN WBAN: 13782 ISSN #:0198-4632

		TEN	//PERATU	ERATURE F			DEG I BASE			SNO\ ON GN	N/ICE ND(IN)	PRECIF (INCH	PITATION ES)	PRESS (INCHES		WIN		SPEED DIR = T			GREE	S	
	M	M	ЭË	OM IL	GE _	E B	Ğ	NG		0700 LST	1300 LST	2400 LST	2400	Шフ	111 1	Ş		병	PE/	MAX K	(IMUN 2-N		
DATE	MAXIMUM	MINIMUM	AVERAGE	DEP FROM NORMAL	AVERAGE DEW PT	AVERAGE WET BULB	HEATING	COOLING	WEATHER	DEPTH [5	WATER EQUIV	SNOW-[	WATER EQUIV	AVERAGE STATION	AVERAGE SEA LEVEL	RESULTANT SPEED	RES DIR	AVERAGE SPEED	SPEED	DIR	SPEED	DIR	DATE
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		24
01 02 03 04 05	85 86 85 86* 82	77 80 82 77 77	81 83 84* 82 80	1 3 4 2 0			0 0 0 0	16 18 19 17 15					0.05 0.00 0.00 0.01 0.01										)1 )2 )3 )4
06 07 08 09 10	78 75 75 85 76	68 69 70 70 69	73 72 73 78 73	-7 -7 -6 -1 -6			0 0 0 0	8 7 8 13 8					3.50 0.04 0.24 0.00 0.00										)6 )7 )8 )9
11 12 13 14 15	76 77 80 80 83	66 68 69 71 71	71 73 75 76 77	-8 -6 -3 -2			0 0 0 0	6 8 10 11 12					0.01 0.00 0.00 0.00 0.00									1 1 1	11 12 13 14 15
16 17 18 19 20	83 83 84 85 84	73 71 67 72 71	78 77 76 79 78	0 0 -1 2 1			0 0 0 0	13 12 11 14 13					0.00 0.00 0.00 0.00 0.00									1 1 1	L6 L7 L8 L9
21 22 23 24 25	80 83 82 80 80	74 77 73 70 70	77 80 78 75 75	0 4 2 -1 0			0 0 0 0	12 15 13 10 10					0.00 0.00 0.09 0.00 0.00									2 2 2	21 22 23 24 25
26 27 28 29 30	80 81 85 71 74	73 73 69 61 60*	77 77 77 66* 67	2 2 -8 -7			0 0 0 0	12 12 12 1 2					0.00 0.00 0.00 0.00									2 2 2	26 27 28 29
	80.8	71.3	76.1				0.0	11.3	< MONTHLY AVERAGES TOTAL	LS->			3.95						<-	MON	THLY AV	ERAGE	s
	-2.2	9	-1.5		<				EPARTURE FROM NORMAL			>	-2.18	SUNSF	IINE, CL	OUD, &	VIS	BILIT	Y TAE	BLES	ON P	AGE 3	3
			EGREE N	ONTHLY		SEASON			GREATEST 24-HR PRECIPITATION: GREATEST 24-HR SNOWFALL: GREATEST SNOW DEPTH:	3.5	1 DATE DATE DATE	:	7	MAXIM	JM JM	A LEVEL	- PRI	ESSUF	iE [	DATE	TIME		
	HEATING COOLING		TOTAL 0 338	DEPART -3:	0	0 2149		0	NUMBER OF → MAXIMUM TE MAXIMUM TE THUNDERSTO	$MP \leq 32$		MINI	MUM TEN MUM TEN /Y FOG	$MP \leq 0$		PREC	IPIT	ATION ATION LL ≥ 1	≥ 0.10	0 INC		8	

## **HOURLY PRECIPITATION**

CHARLESTON C.O., SC SEPTEMBER 2003 CHLS WBAN # 13782

(WATER EQUIVALENT IN INCHES)

世				FOR	HOU	JR (LS	ST) EI	NDIN	G AT			ц	ı	FOR HOUR (LST) ENDING AT							DATE	if ent	2400 LST				
DATE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	DA	Sum if Different	Water Equiv.
01 02 03 04 05			0.01				0.01					0; 0; 0; 0;	2 3 4		0.03	0.01	0.01								01 02 03 04 05		0.05 0.00 0.00 0.01 0.01
06 07 08 09 10	0.01	0.37	0.19	0.18	0.95	0.38 0.01		0.42 0.06	0.17	0.12	0.13 0.01	0.04 00 00 00 10	7 3 0.01		0.01			0.01 0.02	0.01						06 07 08 09 10		3.50 0.04 0.24 0.00 0.00
11 12 13 14 15												1; 1; 1; 1,	2   3   4									0.01			11 12 13 14 15		0.01 0.00 0.00 0.00 0.00
16 17 18 19 20												10 11 18 19 20	3												16 17 18 19 20		0.00 0.00 0.00 0.00 0.00
21 22 23 24 25				0.02	0.03	0.01					0.01	2: 2: 2: 2: 2:	4 l		0.01	0.01									21 22 23 24 25		0.00 0.00 0.09 0.00 0.00
26 27 28 29 30												20 22 23 30	3												26 27 28 29 30		0.00 0.00 0.00 0.00 0.00

### MAXIMUM SHORT DURATION PRECIPITATION

Time Period (Minutes)	5	10	15	20	30	45	60	80	100	120	150	180
Precipitation (Inches)												
Ending Date												
Ending Time (Hour/Min)												

Date and time are not entered for TRACE amounts.

# REFERENCE NOTES & SUPPLEMENTAL SUMMARIES

\* = Extreme for the month (last occurrence if more than one)

T = Trace precipitation amount

+ = also occurs on earlier date

FG+ = Heavy fog, visibility 0.25 miles or less BLANK entries denote missing or unreported data

Resultant wind is the vector sum of the wind speeds and directions divided by the number of observations.

Wind direction is recorded in tens of degrees (2 digits) clockwise from true north. '00' = calm, 'VR' = variable.

Precipitation is for the 24—hour period ending at the time indicated in the column heading.

Water Equivalent of snow on the ground is reported only when the depth is 2 or more inches.

NORMALS ARE FOR THE YEARS 1971-2000

#### **WEATHER NOTATIONS**

QUALIFIER	WEATHER PHENOMENA									
DESCRIPTOR	PRECIPITATION	OBSCURATION	OTHER							
BC Patches BL Blowing DR Low Drifting FZ Freezing MI Shallow PR Partial SH Shower(s)	DZ Drizzle GR Hail GS Small Hail and/or Snow Pellets IC Ice Crystals PL Ice Pellets RA Rain	BR Mist DU Widespread Dust FG Fog FU Smoke HZ Haze PY Spray	DS Duststorm  FC Funnel Cloud  +FC Tornado Waterspout  PO Well- Developed Dust/Sand Whirls  SQ Squalls							
TS Thunderstorm  VC In the  Vicinity	SG Snow Grains SN Snow UP Unknown Precipitation	SA Sand VA Volcanic Ash	SS Sandstorm GL Glaze							
Intensity (as indicated on pages 4 to 6):										

' ' = Moderate

'+' = Heavy

'-' = Light

## CHARLESTON C.O., SC SEPTEMBER 2003

Sky Cover is the mean cloud cover observed from sunrise to sunset (SR-SS), or midnight to midnight (MN-MN).

Satellite data are used to derive cloudiness above 12,000 feet. Effective Cloud Amount is based on the cloud cover and the transparency of the clouds within the satellite field of view (approx. 31x31 miles).

Sky Condition is based on the SR-SS sky cover. Clear = 0-2 oktas, Partly Cloudy = 3-6 oktas, Cloudy = 7-8 oktas.

A Heating (Cooling) Degree Day is the difference between the average daily temperature and 65 degrees F. The HDD season begins July 1, the CDD season begins January 1.

Dew Point is the temperature to which the air must be cooled to achieve 100% relative humidity. Wet Bulb is the temperature the air would have if cooled at constant pressure by evaporation of moisture into it, to 100% relative humidity.

### ADDITIONAL NOTES:

	SUNSH	INE	C		IDINE KTAS		VISIB (MIL					
ш			SR	-ss	MN	-MN						
DATE	TOTAL MINUTES	PERCENT POSSIBLE	SKY COVER	SATELLITE	SKY COVER	SATELLITE	MINIMUM	MAXIMUM	RESERVED			
01 02 03 04 05												
06 07 08 09 10												
11 12 13 14 15												
16 17 18 19 20												
21 22 23 24 25												
26 27 28 29 30												
мон	NTHLY A											
	Total				NE (		UTES)					
		l	Perc	ent	Pos	sible						
			_		_		YS WITH					
	SKY CONDITION CLR PTLY CLDY CLOUDY MISSING 30  MINIMUM VISIBILITY (MILES) <=0.25 <=3.0 >=7.0											



## LOCAL CLIMATOLOGICAL DATA

NOAA, National Climatic Data Center

I certify that this is an official publication of the National Oceanic and Atmospheric Administration (NOAA). It is compiled using information from weather observing sites operated by NOAA—National Weather Service / Department Of Transportation—Federal Aviation Administration and received at the National Climatic Data Center (NCDC), Asheville, North Carolina 28801.

DIRECTOR

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